

PATENT ABSTRACTS OF JAPAN

(11)Publication number : **09-324390**
 (43)Date of publication of application : **16.12.1997**

(51)Int.Cl. D21H 13/50
 C04B 35/83
 C04B 38/00
 C25B 11/12
 H01M 4/96
 // D01F 9/22

(21)Application number : **08-145537** (71)Applicant : **TORAY IND INC**
 (22)Date of filing : **07.06.1996** (72)Inventor : **INOUE MIKIO**

(54) CARBON FIBER PAPER AND POROUS CARBON BOARD

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a porous carbon board capable of keeping mechanical strength thereof and changing the diameter of pores without depending on the change in density thereof, high in electroconductivity and heat conductivity in depth direction thereof.

SOLUTION: This carbon paper contains two or more kinds of carbon short fibers of different thickness consisting of at least carbon short fibers having 4–9µm and ≥4mm length, in which the ratio (D₂/D₁) of the diameter of the thinnest carbon short fiber (D₁) to the diameter of the thickest carbon short fiber (D₂) is ≥1.3. This porous carbon board contains two or more kinds of carbon short fibers of different thicknesses containing at least carbon short fibers having 4–9µm and ≥4mm length, and has 300–850kg/m³ density ρ. Bending strength F [MPa] and specific resistance in depth direction R [Ωm] thereof satisfies the relationship (1) and (2). (1) F≥ρ/27, (2) R ≤0.015×ρ-1/2.

LEGAL STATUS

[Date of request for examination] **05.12.2002**

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number] **3521619**

[Date of registration] **20.02.2004**

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]